

HEAVY VEHICLE MODIFICATIONS

Checklist J1

BODY MOUNTING

(Y=Yes, N= No, N/A=Not Applicable)

1.0 General

1.0 Is the vehicle within the maximum allowable dimensions as stated by the relevant State or Territory Regulations?

2.0 Body Trucks

2.1 Is the attachment of the body capable of supporting the maximum loads imposed by the payload and the body weight at the extreme conditions, while evenly distributing the load throughout the chassis?

2.2 If body mounting brackets are used, are they bolted to the web of the chassis rail?

2.3 Does the front end of the sub-frame give a progressive load bearing transition to the chassis frame rail?

2.4 Are the body mounting brackets in appropriate locations and spacing along the chassis rail and body sub-frame?

2.5 If U-bolts are used, and the vehicle does not have a box type frame, are metal spacers inserted between the top and bottom flanges of the chassis rail to prevent distortion of the flanges below the U-bolts?

2.6 If wooden runners are used, are they protected from damage by the U-bolts by steel capping or shaped spacers under the bolts?

2.7 If U-bolts are used, are at least four (4) outrigger brackets or fishplates used, one on each side of the vehicle at the front and rear?

3.0 Tippers

3.1 Is the design and installation of the ram mounting sufficient to withstand the maximum ram force and the torsional moment from the ram force?

3.2 Are longitudinal packers used on the chassis or are the supports on the chassis for each body cross member at least 450 mm in length?

3.3 Is there provision to ensure even distribution of load between all supports?

3.4 Are the brackets for the tipping pivot mounted in a manner that evenly distributes the loads into the chassis?

3.5 Is the forward section of the tipping body transversely restrained by guides?

3.6 Does the hydraulic system have hose burst protection complying with AS1418.8?

3.7 Does the installation have the required body props to support the tipper in the raised position?

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4.0 Tankers

4.1 Does the mounting system for the tank accommodate the torsional stiffness of the tank while still retaining the chassis frame flexibility?

4.2 Are the mounting brackets of sufficient strength to safely support the load?

5.0 Tankers Carrying Liquid Dangerous Goods

5.1 Does the tanker meet the requirements of Australian Standard AS 2809 - *Road Tank Vehicles for Dangerous Goods, Part 1- General Requirements* and any other applicable parts?

6.0 General

6.1 Are the modifications in accordance with this National Code of Practice or the manufacturer's recommendations for modifications of this nature?

6.2 Does the modified vehicle comply with the requirements of the applicable ADR's?

6.3 Does the modified vehicle comply with the requirements of the State or Territory Regulations?

6.4 Is the quality of workmanship to a satisfactory standard?

6.5 Have all of the modification details and all calculations applicable to the modification been recorded in accordance with this Modification Code?

**NOTE: If the answer to any relevant question is "NO", the modification is not acceptable.**

Vehicle Chassis No/VIN:

Vehicle Modifier:

Examined by:

Company (if applicable):

Certifying Officer No:

Modification Certificate No:

Date: